

# What is Science?

3.45 x 10<sup>-2</sup>

By the End of this Unit...



Know	Understand & Be able to...
Vocabulary	Concepts
Science Technology Chemistry Physics Geology Astronomy Biology Observation Hypothesis Manipulated variable Responding variable Controlled experiment Scientific notation Length Mass Volume Density Direct proportion Inverse proportion Slope	<p><b>Explain</b> how science and technology are related.</p> <p><b>List</b> the major branches of natural science and describe how they overlap.</p> <p><b>Describe</b> the main ideas of physical science</p> <p><b>Describe</b> the steps in a scientific method</p> <p><b>Compare</b> and <b>contrast</b> facts, theories and laws</p> <p><b>Explain</b> the importance of models in science</p> <p><b>Perform</b> calculations involving scientific notation.</p> <p><b>Identify</b> the metric and SI units used in science and <b>convert</b> between common metric prefixes</p> <p><b>Compare</b> and <b>contrast</b> accuracy and precision</p> <p><b>Relate</b> the Celsius, Kelvin and Fahrenheit temperature scales.</p> <p><b>Organize</b> and <b>analyze</b> data using tables and graphs</p> <p><b>Identify</b> the relationship between a manipulated variable and a responding variable</p> <p><b>Explain</b> the importance of communicating data</p>
<u>2 VC Activities due at the end of the Unit</u>	